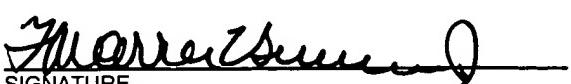


FORM PTO-1390 (REV 11-2000)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NUMBER 829-585
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) <b>09/936818</b>
INTERNATIONAL APPLICATION NO. <b>PCT/JP00/01688</b>	INTERNATIONAL FILING DATE <b>17 March 2000</b>	PRIORITY DATE CLAIMED <b>18 March 1999</b>
<p><b>TITLE OF INVENTION</b>  <b>CRYSTAL GROWTH METHOD, PRODUCTION METHOD OF SEMICONDUCTOR MICROSTRUCTURE, SEMICONDUCTOR DEVICE, AND SYSTEM</b></p>		
<p><b>APPLICANT(S) FOR DO/EO/US</b>  <b>TAKAHASHI et al</b></p>		
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p>		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p>		
<p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p>		
<p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p>		
<p>4. <input checked="" type="checkbox"/> The U.S. has been elected by the expiration of 19 months from the priority date (Article 31).</p>		
<p>5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)).</p>		
<p>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p>		
<p>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</p>		
<p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p>		
<p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p>		
<p>a. <input checked="" type="checkbox"/> is attached hereto.</p>		
<p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p>		
<p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p>		
<p>a. <input checked="" type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p>		
<p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p>		
<p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has <b>NOT</b> expired.</p>		
<p>d. <input type="checkbox"/> have not been made and will not be made.</p>		
<p>8. <input checked="" type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 34.</p>		
<p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p>		
<p>10. <input type="checkbox"/> A English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
<p><b>Items 11 To 20 below concern document(s) or information included:</b></p>		
<p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.</p>		
<p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.</p>		
<p>13. <input checked="" type="checkbox"/> A FIRST preliminary amendment.</p>		
<p>14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</p>		
<p>15. <input type="checkbox"/> A substitute specification.</p>		
<p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p>		
<p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.</p>		
<p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p>		
<p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p>		
<p>20. <input checked="" type="checkbox"/> Other items or information. PTO-1449 and copy of International Search Report; Translation of Reply to Wirtten Opinion</p>		

U.S. APPLICATION NO. (If known, See 37 C.F.R. 1.492(e)) <b>09/958818</b>	INTERNATIONAL APPLICATION NO. <b>PCT/JP00/01688</b>	ATTORNEY'S DOCKET NUMBER <b>829-585</b>																				
21. <input checked="" type="checkbox"/> The following fees are submitted:		<b>CALCULATIONS PTO USE ONLY</b>																				
<b>BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):</b> <ul style="list-style-type: none"> <li>-- Neither international preliminary examination fee (37 C.F.R. 1.482) nor international search fee (37 C.F.R. 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO .....\$1000.00</li> <li>-- International preliminary examination fee (37 C.F.R. 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO.....\$860.00</li> <li>-- International preliminary examination fee (37 C.F.R. 1.482) not paid to USPTO but international search fee (37 C.F.R. 1.445(a)(2)) paid to USPTO .....\$710.00</li> <li>-- International preliminary examination fee (37 C.F.R. 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) .....\$690.00</li> <li>-- International preliminary examination fee (37 C.F.R. 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4).....\$100.00</li> </ul>																						
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>		\$ 860.00																				
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).		\$ 130.00																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>113</td> <td>-20 =</td> <td>93 X \$18.00</td> </tr> <tr> <td>Independent Claims</td> <td>4</td> <td>-3 =</td> <td>1 X \$80.00</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIMS(S) (if applicable)</td> <td>\$270.00</td> </tr> <tr> <td colspan="3"></td> <td style="text-align: right;"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> </tr> </tbody> </table>		CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total Claims	113	-20 =	93 X \$18.00	Independent Claims	4	-3 =	1 X \$80.00	MULTIPLE DEPENDENT CLAIMS(S) (if applicable)			\$270.00				<b>TOTAL OF ABOVE CALCULATIONS =</b>	\$ 2744.00
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			<b>TOTAL OF ABOVE CALCULATIONS =</b>																			
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.		0.00																				
		<b>SUBTOTAL =</b>	\$ 2744.00																			
Processing fee of \$130.00, for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)).		0.00																				
		<b>TOTAL NATIONAL FEE =</b>	\$ 2744.00																			
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property		0.00																				
Fee for Petition to Revive Unintentionally Abandoned Application (\$1240.00 – Small Entity = \$620.00)		0.00																				
		<b>TOTAL FEES ENCLOSED =</b>	\$ 2744.00																			
		Amount to be: refunded	\$																			
		Charged	\$																			
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$2744.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 14-1140 in the amount of \$_____ to cover the above fees.</p> <p>A duplicate copy of this form is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A <u>duplicate</u> copy of this form is enclosed.</p> <p>d. <input checked="" type="checkbox"/> The entire content of the foreign application(s), referred to in this application is/are hereby incorporated by reference in this application.</p>																						
<p><b>NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b></p>																						
<b>SEND ALL CORRESPONDENCE TO:</b> NIXON & VANDERHYE P.C. 1100 North Glebe Road, 8 <sup>th</sup> Floor Arlington, Virginia 22201-4714 Telephone: (703) 816-4000		 <b>SIGNATURE</b> <b>H. Warren Burnam, Jr.</b> NAME																				
		<b>29,366</b>	<b>September 18, 2001</b>																			
		REGISTRATION NUMBER	Date																			